## SQ-AIA-113.ST25 SEQUENCE LISTING

•		
<110>	Aoki, Hirofumi Kodama, Tatsuhiko Hasegawa, Kiyotaka Kajiya, Kentaro Ishimatsu, Yumiko Ogou, Masashi Yoshida, Seiichi Kishimoto, Jiro Moro, Osamu	
<120>	Method for Predicting Skin Stain Formation and For Screening Agent Capable of Inhibiting Skin Stain Formation by Means of Promoted Genese in Stained Regions as an Indicator	
<130>	AIA-113-PCT	
<140> <141>	10/574,469 2006-03-31	
<150> <151>	JP 2003-343549 2003-10-01	
<150> <151>	JP 2003-344786 2003-10-02	
<160>	7	
<170>	PatentIn version 3.3	
<210> <211> <212> <213>	1 758 DNA Mouse	
<220> <221> <222> <223>	misc_feature (6)(6) n is a, c, g, or t	
<400>	1 ntttt cgtggcacag cttcctccct aggcgtgaga ctccggctcc ttcactatga 60	) .
	ctagc cctttccggt ctgctctgca tgctgctcct ctgtttctgc attttctcct 120	)
	gggag aagacatcct gccaagtcct tgaaactcag gcgctgctgt cacctatctc 180	O
	tccaa gctgacaacc tggaaaggaa accacacaag gccctgcaga ctctgcagaa 240	Э
	ctacc agtcaagtca tgggtggtgc ctggggctct cccacagata tagggcctcc 300	0
	ccaga tgaagcgttg atgcccagat gtggagacac cagaagcata cacactatgt 36	o
	tgccc cttgccaatg agctgtgaca ctggaatgct tcacttcaga catcagggcg 42	0
	attgc agaattccaa gtcctcattc caaaggtgtc accaaccttc agagtcacta 48	0
	caggc tcagcccaca agtcaccatg gctcctccag agtaaaagtc caagattcca 54	0
	gggag ctacagatcc agagactttc aagctgacta gagtgcagag aagcaagacc 60	0

tcagtgtgat	cagccgagac	tacagcatct	SQ-AIA-11		caaaccccta	-660
	actggtctcc					720
•	aaataaacca					758
acaccaaaag	uuucuuuccu	caaaccagca	cucucucy			7 30
<210> 2 <211> 2063	<b>t</b>	·				
<212> DNA	sapiens					•
<400> 2						
	tgggaaacac	ctctctatga	ctctataaat	gtccaaggtg	gccccaaggg	60
aggacttctg	cagcacagct	cccttcccag	gacgtgaaaa	tctgccttct	caccatgagg	120
cttctagtcc	tttccagcct	gctctgtatc	ctgcttctct	gcttctccat	cttctccaca	180
gaagggaaga	ggcgtcctgc	caaggcctgg	tcaggcagga	gaaccaggct	ctgctgccac	240
cgagtcccta	gccccaactc	aacaaacctg	aaaggacatc	atgtgaggct	ctgtaaacca	300
tgcaagcttg	agccagagcc	ccgcctttgg	gtggtgcctg	gggcactccc	acaggtgtag	360
cactcccaaa	gcaagactcc	agacagcgga	gaacctcatg	cctggcacct	gaggtaccca	420
gcagcctcct	gtctcccctt	tcagccttca	cagcagtgag	ctgcaatgtt	ggagggcttc	480
atctcgggct	gcaaggaccc	tgggaaagtt	ccagaactcc	acgtccttgt	ctcaattgtg	5.40
ccatcaactt	tcagagctat	catgagccaa	cctcagcctt	ccgagtagct	gggattacag	600
gtgtgcgcca	ccacacccgg	ctaatttttg	ctttttttt	ttttgagaca	gaatctcgct	660
ctgttgctca	ggctggagtg	gagtgcagtg	gcacgatctc	agctcactgc	agcctctgcc	720
tcccgggttc	aggagattct	cctgactcaa	cctcctgagt	agctgggatt	acaggtgcct	780
gccactatgc	ctagctaatt	tttgtatttt	tagtggagac	ggggttttgc	cgtgttggcc	840
ggggtggtct	cgaactcctg	acctcaagtg	atccacccgc	atcggccccc	caaagtgctg-	-: 900
ggattatagg	cgtgaaccac	cgcgcctgtc	ccattgttgt	gtaattttaa	taattagttt	960
tttaagtact	tgattttatg	ggcacatttt	tgtgggatga	ttggagttaa	tcaaataaag	1020
cttgtcatgt	gtgtagtttg	gtaagataac	ttctttaaat	tcatgttttc	tctgccttga	1080
ggtagtgagg	gaaagatctt	aatcagtatt	ttggtaatta	actgattgaa	ttcaagcaaa	1140
tgagacatca	tgaacttcag	tggttattga	tatttcaggg	tatatacctg	aaatgcctag	1200
aggatacaga	tttctcattt	cattctttgg	tctttcattt	ctctatatac	agaaatgaaa	1260
tgacacttct	gggaggcagt	agaagcagga	agtcaatgaa	ttgagtagag	ggtcccattc	1320
cctcaggctg	tcattgatca	gtgacaattt	ataaaaacaa	actgcaaagt	ctgtggcaag	1380
tggctgcctg	cttcctagaa	ggagcccatg	aaggttaaac	tctgtggtcg	gtatttgcaa	1440
gcgccgggcg	tggtggctca	cgcctgtaat	cctagcacct	tgggaggcca	aggcaggcgg	1500

				SQ-AIA-11	3.ST25	•	
	atcacccgag	gtcaggagtt	tgaggatttg			gagtctttcc	1560
	cagataccca	gcagtgcaga	ggctagctgt	ggaaggttgc	agtgggacag	gaatgtattg	1620
	tatgccttgc	cttacttgtc	accattgaga	tttccagaga	aatgggcata	acgtctctta	1680
	acaacaacag	cagaaagcaa	aatacattaa	cttaaggttg	acaacaaag	attatcaagt	1740
	accatgtttt	ccaaccaacc	agttattcgt	ggtaataata	aaataaaggt	gggaaaatgt	1800
	tataatttt	aaggaaactg	tgtactttaa	aaatcttctt	tatgaatatc	caatgttact	1860
	gtaatcctgc	tccattaaat	gcagcattgt	tgtcaggtgc	tgcctcttgc	ttgggaacag	1920
	cattgggctt	ttaaatgtct	gcagaatctc	tgcgttcgaa	gggaattgag	aatgaacttc	1980
	ctggtactgt	aatgaaaata	aggtctgctc	aacacagtaa	acgtttcctc	tcttctttaa	2040
	aaaaaaaaa	aaaaaaaaaa	aaa				2063
	<210> 3 <211> 742 <212> DNA <213> Rat						
	<400> 3 tttttttgtg	ccactgcttc	ctctctagcc	gtgagactcc	agctacttca	ctatgcgact	60.
	tctcaccctc	tccggtttgt	tcttcatgct	gttcctctgt	ctctgcgttc	tctcctcaga	120
	agggagaaag	cgtcctgcca	agttcccgaa	actcaggcct	gctgtcatct	atctcctaga	180
	tccaaaccaa	taactggaaa	ggaaaccaca	caagaccctg	cagaccatgc	agaaagctag	240
-	aatccaattc	atggggtggt	gcctggggct	ctcccacaga	tatagggcct	cccgaagctg	300
	gcctccaccg	agatgaaacg	ttgatgtcca	gttatggaga	caaccttctg	gcccctacca	360
	accttcatgg	ccagaaagct	gtgacaccag	aatgtttcac	ttcagacagc	tgaaggatta	420
	cagaattcca	agccctcgtt	ccaaaggtgc	aaccaacctt-	cagagtcact	atgatccagg	480
	gtcagcccac	aagtcttcat	ggctcctgca	gagtaaaagt	ccaagattcc	atccctggga	540
	gctacagatt	cagagacttc	caagctgact	ggcgaacaga	gtagcaagac	ttccttgtga	600
	tcagatgaga	ttacagcatc	ttaggaaccc	tcggacaccc	ccaaacccat	agcatttaat	660
	caacgggata	tgaaccaact	cctgtaactt	cctaatgtaa	tcaccaggag	aacaccaaaa	720
	ataataaato	ataaatcaat	gt				742
	<210> 4	·		,		•	•
	<211> 20	,					
	<212> DNA <213> Art	ificial				• •	
	<220> <223> Sen	se Primer			•		
	<400> 4						
	- :			Pane	<b>a</b> .		

t+c++	gcct gctgctcata	SQ-AIA-113.ST25		20
	geer gergereara			20
<210> <211> <212> <213>	20 DNA		,	
<220> <223>	Antisense Primer		·	
<400> gacaag	5 gatg agaaaacacg		•	20
<210> <211> <212> <213>	DNA			
<220> <223>	Sense Primer			
<400> actccg	6 gctc cttcactatg			20
<210> <211> <212> <213>				
<220> <223>	Antisense Primer			
<400>	7 aatg aggacttgga			20 -

## SQ-AIA-113.ST25 SEQUENCE LISTING

<110>	Aoki, Hirofumi Kodama, Tatsuhiko Hasegawa, Kiyotaka Kajiya, Kentaro Ishimatsu, Yumiko Ogou, Masashi Yoshida, Seiichi Kishimoto, Jiro Moro, Osamu	
<120>	Method for Predicting Skin Stain Formation and For Screening Agent Capable of Inhibiting Skin Stain Formation by Means of Promoted Genese in Stained Regions as an Indicator	
<130>	AIA-113-PCT	
<140> <141>		
<150> <151>		
<150> <151>	JP 2003-344786 2003-10-02	
<160>	7	
<170>	PatentIn version 3.3	
<210> <211> <212> <213>	DNA	
<220> <221> <222> <223>		
<400> aaaccn	1 httt cgtggcacag cttcctccct aggcgtgaga ctccggctcc ttcactatga	60
gactto	tagc cctttccggt ctgctctgca tgctgctcct ctgtttctgc attttctcct	120
cagaag	ggag aagacatcct gccaagtcct tgaaactcag gcgctgctgt cacctatctc	180
ctagat	ccaa gctgacaacc tggaaaggaa accacacaag gccctgcaga ctctgcagaa	240
acaago	tacc agtcaagtca tgggtggtgc ctggggctct cccacagata tagggcctcc	300
tccgcc	caga tgaagcgttg atgcccagat gtggagacac cagaagcata cacactatgt	360
tgcctt	gccc cttgccaatg agctgtgaca ctggaatgct tcacttcaga catcagggcg	420
gatgga	ittgc agaattccaa gtcctcattc caaaggtgtc accaaccttc agagtcacta	480
aggtcc	aggc tcagcccaca agtcaccatg gctcctccag agtaaaagtc caagattcca	540
cctgtg	ggag ctacagatcc agagactttc aagctgacta gagtgcagag aagcaagacc	600

SQ-AIA-113.ST25 tcagtgtgat cagccgagac tacagcatct tgggaaccct cagtcagccc caaaccccta	660
	720
acacttaacc actggtctcc aaaccaacac ctgtaacttc ctaatgaaat catcaggagg	758
ataccaaaag aaataaacca taaatcagca tacacacg	736
<210> 2 <211> 2063 <212> DNA <213> Homo sapiens	
<400> 2 ctctgcccat tgggaaacac ctctctatga ctctataaat gtccaaggtg gccccaaggg	60
aggacttctg cagcacagct cccttcccag gacgtgaaaa tctgccttct caccatgagg	120
cttctagtcc tttccagcct gctctgtatc ctgcttctct gcttctccat cttctccaca	180
gaagggaaga ggcgtcctgc caaggcctgg tcaggcagga gaaccaggct ctgctgccac	240
cgagtcccta gccccaactc aacaaacctg aaaggacatc atgtgaggct ctgtaaacca	300
tgcaagcttg agccagagcc ccgcctttgg gtggtgcctg gggcactccc acaggtgtag	360
cactcccaaa gcaagactcc agacagcgga gaacctcatg cctggcacct gaggtaccca	420
gcagcctcct gtctcccctt tcagccttca cagcagtgag ctgcaatgtt ggagggcttc	480
atctcgggct gcaaggaccc tgggaaagtt ccagaactcc acgtccttgt ctcaattgtg	540
ccatcaactt tcagagctat catgagccaa cctcagcctt ccgagtagct gggattacag	600
gtgtgcgcca ccacacccgg ctaatttttg ctttttttt ttttgagaca gaatctcgct	660
ctgttgctca ggctggagtg gagtgcagtg gcacgatctc agctcactgc agcctctgcc	720
tcccgggttc aggagattct cctgactcaa cctcctgagt agctgggatt acaggtgcct	780
gccactatgc ctagctaatt tttgtatttt tagtggagac ggggttttgc cgtgttggcc	840
ggggtggtct cgaactcctg acctcaagtg atccacccgc atcggccccc caaagtgctg	900
ggattatagg cgtgaaccac cgcgcctgtc ccattgttgt gtaattttaa taattagttt	960
tttaagtact tgattttatg ggcacatttt tgtgggatga ttggagttaa tcaaataaag	1020
cttgtcatgt gtgtagtttg gtaagataac ttctttaaat tcatgttttc tctgccttga	1080
ggtagtgagg gaaagatctt aatcagtatt ttggtaatta actgattgaa ttcaagcaaa	1140
tgagacatca tgaacttcag tggttattga tatttcaggg tatatacctg aaatgcctag	1200
aggatacaga tttctcattt cattctttgg tctttcattt ctctatatac agaaatgaaa	1260
tgacacttct gggaggcagt agaagcagga agtcaatgaa ttgagtagag ggtcccattc	1320
cctcaggctg tcattgatca gtgacaattt ataaaaacaa actgcaaagt ctgtggcaag	1380
tggctgcctg cttcctagaa ggagcccatg aaggttaaac tctgtggtcg gtatttgcaa	1440
gcgccgggcg tggtggctca cgcctgtaat cctagcacct tgggaggcca aggcaggcgg	1500

443 A—35	
SQ-AIA-113.ST25 atcacccgag gtcaggagtt tgaggatttg caagcaaaag gtcctctcct gagtctttcc 1560	)
cagataccca gcagtgcaga ggctagctgt ggaaggttgc agtgggacag gaatgtattg 1620	)
tatgccttgc cttacttgtc accattgaga tttccagaga aatgggcata acgtctctta 1680	0
acaacaacag cagaaagcaa aatacattaa cttaaggttg acaacaaaag attatcaagt 1740	0
accatgtttt ccaaccaacc agttattcgt ggtaataata aaataaaggt gggaaaatgt 180	0
tataattttt aaggaaactg tgtactttaa aaatcttctt tatgaatatc caatgttact 186	0
gtaatcctgc tccattaaat gcagcattgt tgtcaggtgc tgcctcttgc ttgggaacag 192	0
cattgggctt ttaaatgtct gcagaatctc tgcgttcgaa gggaattgag aatgaacttc 198	0
ctggtactgt aatgaaaata aggtctgctc aacacagtaa acgtttcctc tcttctttaa 204	0
aaaaaaaaaa aaaaaaaaa aaa 206	3
<210> 3 <211> 742	
<212> DNA	
<213> Rat	
<400> 3 tttttttgtg ccactgcttc ctctctagcc gtgagactcc agctacttca ctatgcgact 6	60
tctcaccctc tccggtttgt tcttcatgct gttcctctgt ctctgcgttc tctcctcaga 12	20
agggagaaag cgtcctgcca agttcccgaa actcaggcct gctgtcatct atctcctaga 18	30
tccaaaccaa taactggaaa ggaaaccaca caagaccctg cagaccatgc agaaagctag 24	40
aatccaattc atggggtggt gcctggggct ctcccacaga tatagggcct cccgaagctg 30	00
	60
	20
	80
	40
	00
	60
	20
	42
acanomic acamocanic y	
<210> 4 <211> 20 <212> DNA	

ttcttt	gcct gctgctcata	SQ-AIA-113.5123	20
<210> <211> <212> <213>	20		
<220> <223>	Antisense Primer		
<400> gacaag	5 gatg agaaaacacg		20
<211> <212>	6 20 DNA Artificial		
<220> <223>	Sense Primer		
<400> actccg	6 gctc cttcactatg		20
<212>	7 20 DNA Artificial		
<220> <223>	Antisense Primer		
<400> ctttgg	7 aatg aggacttgga		20